PATENT ATTORNEY DOCKET NO. **041465-5193** 

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:	)
Isao YAKO	)
Application No.: 10/610,695	)
Filed: 07/02/03	)

Title: APPARATUS AND METHOD FOR

REPRODUCING DATA

Commissioner for Patents U.S. Patent and Trademark Office Alexandria, VA 22314

Sir:

## **CHANGE OF CORRESPONDENCE ADDRESS**

Please enter the correspondence address of this application as:

#### **Customer Number 55694**

A new power of attorney appointing the undersigned is being filed concurrently herewith. If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

By:

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: January 18, 2006

Peter J. Sistare

Registration No. 48,183

CUSTOMER NO. 55694 DRINKER, BIDDLE & REATH LLP

1500 K Street, N.W., Suite 1100 Washington, D.C. 20005-1209

Tel: (202) 842-8800 Fax: (202) 842-8465



#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re Application of:	)
Isao YAKO	)
Application No.: 10/610,695	)
Filed: 07/02/03	)

Title: APPARATUS AND METHOD FOR

REPRODUCING DATA

Commissioner for Patents U. S. Patent and Trademark Office Alexandria, VA 22314

Sir:

# SUBMISSION OF REVOCATION OF ORIGINAL POWER OF ATTORNEY AND GRANT OF NEW POWER OF ATTORNEY

Enclosed is a copy of the Revocation of Original Power of Attorney and Grant of New Power of Attorney by the Assignee.

By:

If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: January 18, 2006

Peter I. Sistare

Registration No. 48,183

CUSTOMER NO. 55694 DRINKER, BIDDLE & REATH LLP

1500 K Street, N.W., Suite 1100 Washington, D.C. 20005-1209

Tel: (202) 842-8800 Fax: (202) 842-8465



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: PIONEER CORPORATION

Commissioner for Patents Washington, D.C. 20231

# REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), PIONEER CORPORATION, a Japanese corporation, certifies that it is an assignce of the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) to PIONEER CORPORATION submitted to the U.S. Patent and Trademark Office. The dates on which the assignments were submitted and the reel/frame numbers at which the assignments were recorded are indicated in the chart below when known.

Filing Date	Attorney Docket	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
05/23/95	No. 041465-0002	08/450,952	5,697,080	12/09/97	07/06/95; 7545/0112
11/02/94	041465-5003	08/333,326	5,600,615	02/04/97	11/02/94; 7191/0280
10/13/95	041465-5004	08/543,083	5,734,631	03/31/98	10/13/95: 7837/0471
02/01/96	041465-5007	08/595,196	5,757,742	05/26/98	02/01/96; 7861/0266
03/26/98	041465-5007-01	09/048,217	5,910,937	06/08/99	02/01/96; 7861/0266
03/06/96	041465-5008-01	08/611,753	5,892,748	04/06/99	03/06/96;7913/0363
03/29/96	041465-5009	08/623,821	5,703,864	12/30/97	03/29/96; 7939/0077
06/27/96	041465-5012	08/670,533	5,886,965	03/23/99	06/27/96; 8071/0759
06/28/96	041465-5013	08/671,652	5,758,008	05/26/98	06/28/96; 8068/0555
07/02/96	041465-5014	08/677,452	5,636,186	06/03/97	07/02/96; 8082/0131
07/03/96	041465-5015	08/675,016	5,892,983	04/06/99	07/03/96; 8087/0944
07/09/96	041465-5016	08/677,196	5,787,222	07/28/98	07/09/96; 8107/0515
06/02/98	041465-5016-01	09/088,379	6,160,951	12/12/00	07/09/96; 8107/0515
01/12/99	041465-5017-01	08/747,666	5,978,347	11/02/99	11/12/96; 8314/0092
08/18/99	041465-5017-02	09/376,295	6,175,545	01/16/01	11/12/96; 8314/0092
11/13/96	041465-5018	08/748,029	5,729,522	03/17/98	11/12/96; 8315/0887
01/30/97	041465-5019	08/791,316	5,886,970	03/23/99	10/10/97; 8743/0042
04/26/00	041465-5020-01	08/806,458	6,236,804	05/22/01	09/30/97; 8757/0863
04/02/01	041465-5020-02	09/822,259	6,741,797	05/25/04	09/30/97; 8757/0863

Assignee : PIONEER CORPORATION Page : 2

Filing	Attorney	Application	Patent No.	Issue Date	Recordation Info.
Date	Docket No.	No.	(if applicable)	(if applicable)	Date; Reel/Framc
03/27/02	041465-5020-03	10/106,355			09/30/97; 8757/0863
02/26/97	041465-5021	08/806,459	6,006,004	12/21/99	09/30/97; 8757/0818
09/24/99	041465-5021-01	09/404.765	6,253,018	06/26/01	09/30/97; 8757/0818
02/12/01	041465-5021-02	09/780,384	6,396,997	05/28/02	09/30/97; 8757/0818
03/20/02	041465-5021-03	10/101,333			09/30/97; 8757/0818
03/14/97	041465-5022	08/816,941	6,085,021	07/04/00	03/14/97; 8590/0393
03/06/97	041465-5023	08/812,882	6,108.486	08/22/00	07/17/97; 8618/0444
03/11/97	041465-5024	08/815,184	5,960,152	09/28/99	08/25/97; 8675/0804
3/13/97	041465-5025	08/816,686	6,148,138	11/14/00	03/13/97; 8440/0330
03/11/97	041465-5026	08/815,162	5,729,516	03/17/98	03/11/97; 8440/0113
09/29/98	041465-5027-01	08/815,956	6,031,962	02/29/00	03/13/97; 8457/0610
03/13/97	041465-5028	08/816,889	5,933,569	08/03/99	08/27/03; 14441/0983
03/17/97	041465-5029	08/819,861	5,805,537	09/08/98	09/05/97; 8696/0064
04/13/99	041465-5030-02	08/820,257	6,104,684	08/15/00	03/18/97; 8462/0522
04/28/00	041465-5030-03	09/559,971	6,757,483	06/29/04	03/18/97; 8462/0522
06/02/04	041465-5030-04	10/858,268			03/18/97; 8462/0522
03/17/97	041465-5031	08/822,157	6,091,674	07/18/00	09/30/97; 8757/0845
03/17/97	041465-5032	08/819,012	6,157,769	12/05/00	03/17/97; 8453/0647
08/17/00	041465-5032-01	09/639,887	6,501,903	12/31/02	12/09/03; 14178/0529
05/29/02	041465-5032-02	10/156,393			12/09/03; 14178/0529
03/17/97	041465-5033	08/819,011	6,014,495	01/11/00	03/17/97; 8453/0640
12/02/99	041465-5033-01	09/452,889	6,778,761	08/17/04	03/17/97; 8453/0640
06/27/03	041465-5034-03	10/606,831	•		03/28/02; 12713/0974
03/18/97	041465-5035	08/820,256	5,966,352	10/12/99	03/18/97; 8462/0495
03/20/97	041465-5036	08/825,560	5,889,746	03/30/99	03/20/97; 9333/0261
03/21/97	041465-5037	08/821,424	6,137,954	10/24/00	03/21/97; 8476/0385
08/30/00	041465-5038-01	08/822,457	6,212,330	04/03/01	03/21/97; 8465/0613
03/21/97	041465-5039	08/821,920	5,742,569	04/21/98	03/21/97; 8536/0356
04/01/97	041465-5040	08/831,716	6,088,506	07/11/00	09/05/97; 8696/0061
11/15/99	041465-5040-01	09/440,290	6,266,478	07/24/01	09/05/97; 8696/0061
05/23/01	041465-5040-02	09/862,457	6,567,612	05/20/03	09/05/97; 8696/0061
05/02/03	041465-5040-03	10/427,970		<del></del>	09/05/97; 8696/0061
10/12/99	041465-5041-01	08/834,806	6,215,952	04/10/01	09/12/97; 8696/0128
05/23/01	041465-5041-02	09/731,653			09/12/97; 8696/0128

Assignee : PIONEER CORPORATION Page : 3

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
04/07/97	041465-5042	08/833,476	5,936,925	08/10/99	01/26/98; 9093/0410
06/20/97	041465-5043	08/879,969	6,058,087	05/02/00	06/20/97; 8661/0104
11/09/00	041465-5044-01	08/897,033	6,272,332	08/07/01	07/18/97; 8696/0425
11/09/00	041465-5044-02	09/708,503	6,526,285	02/25/03	07/18/87; 8689/0425
08/01/97	041465-5045	08/905,044	5,896,353	04/20/99	08/01/97; 8737/0950
08/20/97	041465-5046	08/915,649	5,815,472	09/29/98	08/20/97; 8771/0962
08/22/97	041465-5047	08/916,326	5,917,793	06/29/99	08/22/97; 8774/0518
09/02/97	041465-5048	08/921,460	5,985,792	11/16/99	09/02/97; 8785/0322
04/16/98	041465-5049	09/060,961	6,104,019	08/15/00	04/16/98; 9106/0391
06/19/98	041465-5050	09/100,098	5,991,244	11/23/99	06/19/98; 9263/0379
08/05/98	041465-5051	09/129,420	6,094,638	07/25/00	08/05/98; 9369/0435
11/27/98	041465-5052	09/200,428	6,272,082	08/07/01	11/25/98; 9617/0643
07/25/01	041465-5052-01	09/911,788	6,396,781	05/28/02	11/25/98; 9617/0643
04/09/02	041465-5052-02	10/118,234	6,574,187	06/03/03	11/25/98; 9617/0643
08/20/02	041465-5053-01	09/200,430			11/25/98; 9617/0619
12/23/98	041465-5054	09/219,778	6,198,085	03/06/01	12/23/98; 9679/0182
01/20/99	041465-5056	09/233,423	6,507,541	01/14/03	01/20/99; 9713/0689
07/22/02	041465-5056-01	10/199,019	6,680,890	01/20/04	01/20/99; 9713/0689
02/18/99	041465-5058	09/251,740	6,212,141	04/03/01	02/18/99; 9784/0616
03/08/99	041465-5059	09/263,851	6,219,309	04/17/01	03/08/99; 9820/0553
04/11/01	041465-5059-01	09/829,904	6,549,496	04/15/03	03/08/99; 9820/0553
02/28/03	041465-5059-02	10/375,009			03/08/99; 9820/0553
03/16/99	041465-5060	09/270,658	6,308,006	10/23/01	03/16/99; 9828/0089
08/31/01	041465-5060-01	09/942,584	6,760,540	07/06/04	03/16/99; 9828/0089
05/24/04	041465-5060-02	10/851,327			03/16/99; 9828/0089
03/12/99	041465-5061	09/266,780	6,850,690	02/01/05	03/12/99; 9818/0136
03/18/99	041465-5062	09/270,828	6,449,015	09/10/02	03/18/99; 9837/0870
03/19/99	041465-5063	09/271,990	6,343,055	01/29/02	07/16/99; 10234/0058
01/29/02	041465-5064-01	10/058,098	6,859,421	02/22/05	04/09/99; 9894/0803
07/24/02	041465-5064-02	09/288,641	6,687,211	02/03/04	04/09/99; 9894/0803
01/05/05	041465-5064-03	11/028,863			04/09/99; 9894/0803
04/09/99	041465-5065	09/288,643			04/09/99; 9894/0747
06/07/05	041465-5065-01	11/146,161			04/09/99; 9894/0747
10/05/99	041465-5067	09/412,309			10/05/99; 10302/0737

Page : 4

Filing Date	Attorney Docket	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
10/28/99	No. 041465-5068	09/428,943	6,442,111	08/27/02	10/28/99; 10353/0608
10/28/99	041465-5069	09/429,559	6,411,576	06/25/02	10/28/99; 10353/0406
10/29/99	041465-5070	09/429,615	6,381,206	04/30/02	10/29/99; 10459/0429
11/24/99	041465-5071	09/444,719	6,571,055	05/27/03	11/24/99; 10431/0851
11/23/99	041465-5072	09/447,416	6,577,589	06/10/03	11/23/99; 10432/0520
11/05/02	041465-5073-01	09/482,918	6,545,965	04/08/03	01/14/00; 10524/0952
01/24/00	041465-5075	09/490,870	6,272,105	08/07/01	01/24/00; 10585/0960
03/17/00	041465-5076	09/527,457	6,487,160	11/26/02	03/17/00; 10698/0247
04/14/00	041465-5077	09/550,078			
06/06/00	041465-5078	09/588,660	6,370,097	04/09/02	06/06/00; 10877/0939
12/27/99	041465-5079	09/472,504	6,879,771	04/12/05	12/27/99; 10502/0467
06/27/00	041465-5081	09/604,398		=	06/27/00; 10934/0044
06/30/00	041465-5082	09/608,962	6,674,706	01/06/04	06/30/00; 10975/0295
07/27/00	041465-5083	09/627,304			07/27/00; 11054/0149
08/17/00	041465-5084	09/639,888	6,546,258	04/08/03	08/17/00; 11054/0596
08/18/00	041465-5085	09/640,779	6,552,983	04/22/03	08/18/00; 11054/0811
09/08/00	041465-5086	09/658,877			09/18/00; 11328/0811
09/08/00	041465-5087	09/657,805	6,701,468	03/02/04	09/08/00; 11146/0366
09/28/00	041465-5088	09/617,112	6,345,033	02/05/02	09/28/00; 11209/0620
10/04/00	041465-5089	09/679,049			10/04/00; 11210/0377
10/13/00	041465-5090	09/689,825	6,434,091	08/13/02	10/13/00; 11282/0737
07/17/02	041465-5090-01	10/196.250	6,587,428	07/01/03	10/13/00; 11282/0737
10/27/00	041465-5091	09/697,738	6,560,174	05/06/03	10/27/00; 11266/0377
12/07/00	041465-5092	09/730,797	6,556,920	04/29/03	12/07/00; 11359/0649
12/13/00	041465-5093	09/734,678	6,876,922	04/05/05	12/13/00; 11362/0007
12/14/00	041465-5094	09/735,514	6,738,710	05/18/04	12/14/00; 11382/0687
12/22/00	041465-5095	09/742,328	6,516,269	02/04/03	12/22/00; 11406/0723
12/28/00	041465-5096	09/749,177	6,728,181	04/27/04	12/28/00; 11413/0666
02/28/01	041465-5097	09/794,115	6,556,302	04-29-03	02/28/01; 11578/0103
02/27/01	041465-5098	09/793,583	6,449,222	09/10/02	02/27/01; 11576/0534
03/01/01	041465-5099	09/795,346			03/01/01; 11584/0128
03/20/01	041465-5100	09/811,624	6,545,956	04/08/03	03/20/01; 11632/0090
03/14/01	041465-5101	09/805,361	6,781,637	08/24/04	03/14/01; 11631/0756
03/28/01	041465-5102	09/818,632			03/28/01; 11646/0731

Please correct the Serial Number to read "09/671, 112."

Page: 5

Issue Date Recordation Info. Application Patent No. Filing Attorney (if applicable) Date; Reel/Frame Docket (if applicable) No. Date No. 03/27/01: 11662/0358 09/817,246 03/27/01 041465-5103 041465-5104 09/817,245 03/27/01; 11662/0366 03/27/01 06/29/04 07/05/01; 11948/0188 03/29/01 041465-5105 09/819,978 6,757,229 04/20/04 04/03/01; 11678/0508 09/823,980 6,724,703 04/03/01 041465-5106 04/03/01; 11678/0508 01/23/04 041465-5106-01 10/762,313 04/26/05 04/04/01; 11677/0573 04/04/01 041465-5107 09/824,717 6,885,773 04/05/01; 11691/0098 04/05/01 041465-5108 09/826,009 09/838,259 04/20/01; 11734/0748 04/20/01 041465-5109 09/28/04 06/24/96: 8079/0950 04/27/01 041465-5110 09/846,557 RE38602 05/09/01; 11792/0359 05/09/01 041465-5111 09/851,391 06/27/01; 11941/0266 06/27/01 041465-5112 09/891,470 07/09/01; 11973/0809 07/09/01 09/900,152 6,898,160 05/24/05 041465-5113 09/911,424 11/02/04 07/25/01; 12019/0788 07/25/01 041465-5114 6,813,237 12/10/03 041465-5114-01 10/730,981 07/25/01; 12019/0788 08/08/01 041465-5115 09/924,055 09/929,108 08/15/01; 12084/0016 08/15/01 041465-5116 08/15/01; 12084/0013 08/15/01 041465-5117 09/929,109 08/15/01; 12082/0907 08/15/01 041465-5118 09/929,110 041465-5119 09/951,437 09/14/01: 12173/0927 09/14/01 09/19/01; 12182/0825 09/19/01 12/02/03 041465-5120 09/955,117 6,657,939 09/19/01; 12181/0564 10/12/04 041465-5121 09/955,239 6,804,187 09/19/01 10/01/01; 12221/0632 09/966,066 10/01/01 041465-5122 10/02/01; 12226/0483 09/968,502 10/02/01 041465-5123 05/11/04 10/12/01; [2254/0764 09/974,825 6,735,153 10/12/01 041465-5124 10/778,213 10/12/01; 12254/0764 02/17/04 041465-5124-01 11/06/01; 12299/0153 041465-5126 09/985,836 11/06/01 11/23/01; 12321/0008 11/23/01 041465-5128 09/990,372 11/23/01; 12320/0875 11/23/01 041465-5129 09/990,343 11/23/01; 12320/0875 10/914,267 041465-5129-01 08/10/04 11/23/01; 12320/0875 08/10/04 041465-5129-02 10/914,266 11/23/01; 12320/0875 08/10/04 041465-5129-03 10/914,186 12/17/01; 12389/0133 041465-5130 10/015,895 12/17/01 12/26/01; 12397/0745 12/26/01 041465-5131 10/025,809 05/18/04 12/26/01; 12397/0885 041465-5132 10/025,810 6,738,212 12/26/01

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
01/10/02	041465-5133	10/041,473			01/10/02; 12460/0908
01/30/02	041465-5134	10/058,857	6,880,164	04/12/05	01/30/02; 12543/0972
10/29/04	041465-5134-01	10/975,549			01/30/02; 12543/0972
10/29/04	041465-5134-02	10/975,421			01/30/02; 12543/0972
02/08/02	041465-5135	10/068,024			02/08/02; 12671/0504
02/08/02	041465-5136	10/067,770	6,839,313	01/04/05	02/08/02; 12578/0435
02/14/02	041465-5139	10/073,867			02/14/02; 12599/0077
02/19/02	041465-5140	10/076,602			02/19/02; 12620/0576
02/27/02	041465-5141	10/083,648	6,678,165	01/13/04	02/27/02; 12643/0297
10/20/03	041465-5141-01	10/687,704			02/27/02; 12643/0297
03/06/02	041465-5142	10/091,332			03/06/02; 12672/0990
03/12/02	041465-5143	10/094,621			03/12/02; 12694/0425
03/26/02	041465-5145	10/105,946			03/26/02; 12739/0388
04/10/02	041465-5146	10/119,117			04/10/02; 12791/0619
06/09/04	041465-5146-01	10/863,236			04/10/02; 12791/0619
04/17/02	041465-5147	10/123,884	6,690,574	02/10/04	04/17/02; 12812/0702
04/25/02	041465-5148	10/131,217			04/25/02; 12838/0574
05/02/02	041465-5149	10/136,445			08/01/02; 13217/0279
05/06/02	041465-5150	10/138,638	6,687,204	02/03/04	05/06/02; 12870/0965
05/06/02	041465-5151	10/138,779	6,907,611	06/14/05	05/06/02; 12869/0104
05/15/02	041465-5152	10/144,864	6,657,482	12/02/03	05/15/02; 12907/0301
05/16/02	041465-5153	10/145,812	6,621,436	09/16/03	05/16/02; 12907/0532
05/09/02	041465-5154	10/141,081	6,700,519	03/02/04	05/09/02; 12892/0022
06/26/02	041465-5155	10/179,890		-	06/26/02; 13058/0275
06/25/02	041465-5156	10/178,473			06/25/02; 13058/0214
06/25/02	041465-5157	10/178,729			06/25/02; 13058/0231
06/12/02	041465-5158	10/166,727			09/12/02; 13298/0004
06/12/02	041465-5159	10/166,718			09/12/02; 13294/0581
06/28/02	041465-5160	10/183,162	6,888,516	05/03/05	06/26/02; 13060/0921
06/26/02	041465-5161	10/179,889			06/26/02; 13058/0347
07/16/02	041465-5162	10/195,809			07/16/02; 13112/0820
09/03/02	041465-5164	10/233,113	6,804,590	10/12/04	09/03/02; 13263/0114
09/06/02	041465-5165	10/235,853		-	12/03/02; 13550/0712
09/11/02	041465-5166	10/238,619			09/11/02; 13281/0585

Page: 7

Application Issue Date Recordation Info. Filing Attorney Patent No. Docket (if applicable) (if applicable) Date: Reel/Frame No. Date No. 09/11/02; 13281/0519 09/11/02 041465-5167 10/238,617 09/24/02 11/23/04 09/24/02; 13322/0417 041465-5168 10/252,571 6,822,210 09/13/02 041465-5169 10/242,673 12/11/02; 13576/0043 09/26/02 041465-5170 09/26/02; 13337/0624 10/254,766 12/06/02 041465-5173 10/313.015 12/06/02; 13556/0595 01/10/03 041465-5174 10/339,664 06/09/03; 14158/0657 02/10/03 041465-5176 10/360,707 02/10/03; 13754/0739 02/27/03 041465-5177 10/374,093 02/27/03; 13829/0953 10/31/03 041465-5179 10/398,183 10/31/03; 14721/0153 03/30/05 041465-5179-01 11/092,827 10/31/03; 14721/0153 03/31/03 041465-5180 10/401,687 03/31/03; 13929/0488 04/08/03 041465-5181 10/408,279 08/30/05 04/08/03; 13969/0448 6,937,547 04/14/03 041465-5182 10/412,691 08/20/03; 14417/0092 04/16/03 041465-5183 10/414,312 04/16/03; 13978/0775 04/15/03 041465-5184 10/413,546 04/15/03; 13982/0028 04/16/03 041465-5185 10/413,999 04/16/03; 13978/0779. 08/24/04 09/17/03; 14508/0558 04/16/03 041465-5186 10/414,503 6,781,526 04/21/03; 13991/0038 04/21/03 041465-5187 10/419,259 05/19/03 041465-5188 10/440,326 05/19/03; 14104/0450 06/05/03; 14478/0119 10/433,565 06/05/03 041465-5189 03/29/05 06/20/03; 14211/0106 041465-5190 06/20/03 10/465,893 6,873,275 06/16/03; 14187/0504 06/16/03 041465-5191 10/461,511 10/602,033 06/24/03; 14228/0476 06/24/03 041465-5192 07/02/03 041465-5193 10/610,695 07/02/03; 14270/0624 12/02/03; 14750/0354 07/17/03 041465-5194 10/620,802 08/27/03; 14441/0983 10/648,345 08/27/03 041465-5195 08/26/03: 14430/0664 08/26/03 041465-5196 10/647,589 08/28/03; 14449/0435 08/28/03 041465-5197 10/649,858 08/29/03: 14471/0669 041465-5198 10/650,996 08/29/03 09/22/03; 14526/0282 09/22/03 041465-5199 10/664,897 09/16/03; 14514/0365 09/16/03 041465-5200 10/662,387 09/30/03; 14550/0442 09/30/03 041465-5201 10/673,515 11/19/02; 13503/0897 10/07/03 041465-5202 10/679,430 10/07/03; 14593/0813 01/18/05 10/07/03 041465-5203 10/679,361 6,845,078

Filing	Attorney	Application	Patent No.	Issue Date	Recordation Info.
Date	Docket No.	No.	(if applicable)	(if applicable)	Date; Reel/Frame
10/15/03	041465-5204	10/686,283			10/15/03; 14618/0175
10/27/03	041465-5205	10/475,916			10/27/03; 15154/0840
10/15/03	041465-5206	10/684,500			10/15/03; 14614/0689
10/23/03	041465-5207	10/690,506			10/23/03; 14632/0387
10/24/03	041465-5208	10/691,709	-		10/24/03; 14633/0783
10/29/03	041465-5209	10/694,946			10/29/03; 14660/0609
05/21/99	041465-5210	09/315,980	6,889,002	05/03/05	08/13/99; 10165/0113
10/30/03	041465-5211	10/695,955			10/30/03; 14660/0472
11/17/03	041465-5212	10/713,038			11/17/03; 14712/0648
11/18/03	041465-5213	10/714,625			11/18/03; 14711/0312
12/02/03	041465-5214	10/724,626			12/02/03; 14767/0800
01/09/04	041465-5215	10/753,533		-	01/09/04; 14880/0142
01/09/04	041465-5216	10/753,450			01/09/04; 14888/0185
03/05/04	041465-5217	10/793,252			03/05/04; 15064/0475
02/23/04	041465-5218	10/782,868			02/23/04; 15013/0176
03/12/04	041465-5219	10/798,944			03/12/04; 15095/0032
04/15/04	041465-5220	10/824,589			10/21/04; 15222/0965
04/15/04	041465-5221	10/824,595			04/15/04; 15222/0972
04/07/04	041465-5222	10/819,106			04/07/04; 15189/0134
04/08/04	041465-5223	10/820,225			08/23/04; 15731/0147
05/07/04	041465-5224	10/840,257			05/07/04; 15307/0136
04/23/04	041465-5225	10/830,221			04/23/04; 15260/0754
05/07/04	041465-5226	10/840,479			05/07/04; 15316/0959
05/07/04	041465-5227	10/840,513			07/11/02; 13105/0660
05/12/04	041465-5228	10/495,216			05/12/04; 16128/0470
06/02/04	041465-5229	10/858,383			06/02/04; 15447/0777
07/23/04	041465-5230	10/896,883			07/23/04; 15616/0654
07/22/04	041465-5231	10/895,944			07/22/04; 15615/0967
07/23/04	041465-5232	10/896,878			07/23/04; 15616/0663
07/28/04	041465-5233	10/900,327	***************************************		07/28/04; 15630/0331
07/28/04	041465-5234	10/900,328			07/28/04; 15631/0327
08/09/04	041465-5235	10/913,504			11/15/04; 15992/0207
08/09/04	041465-5236	10/913,492			11/15/02; 15992/0214
08/23/04	041465-5237	10/922,827			08/23/04; 15719/0015

: 9 Page

Recordation Info. Filing Attorney Application Patent No. **Issue Date** Docket No. (if applicable) (if applicable) Date; Reel/Frame Date No. 041465-5238 09/07/04; 15805/0136 09/17/04 10/942,847 11/19/04; 16008/0534 08/27/04 041465-5239 10/927,527 09/30/04; 16266/0320 09/03/04 041465-5240 10/506,506 09/03/04 041465-5241 10/506,515 09/03/04; 16294/0223 09/03/04; 16415/0281 09/03/04 041465-5242 10/506,503 09/03/04; 16233/0604 09/03/04 041465-5243 10/506,527 09/20/04 041465-5244 10/944,047 09/20/04; 15812/0565 09/14/04 041465-5245 10/939,435 09/14/04; 15795/0141 09/29/04 041465-5246 10/951,895 09/29/04; 15850/0215 10/12/04 041465-5247 10/961,141 10/12/04; 15885/0664 10/05/04 10/957,979 10/05/04; 15874/0974 041465-5248 12/09/04; 16061/0890 10/13/04 041465-5249 10/962,757 11/02/04 041465-5250 10/978,418 11/02/04; 15949/0427 11/23/04 041465-5251 10/994,653 11/10/04 041465-5252 10/984,757 11/23/04 041465-5253 10/995,088 12/01/04 041465-5254 10/999,962 02/24/05 041465-5255 10/525,527 01/10/05 041465-5256 10/520,665 02/14/05 041465-5257 10/524,414 02/25/05 041465-5258 10/525,641 11/060,780 02/18/05 041465-5259 041465-5260 11/066,003 02/25/05 03/14/05 041465-5261 11/078,700 11/085,130 03/22/05 041465-5262 11/086,669 03/23/05 041465-5263 11/091,716 03/29/05 041465-5264

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

Page : 10

Acting on behalf of the assignee, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

Customer Number 55694
DRINKER BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, DC 20005

with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected with these patent applications and issued patents.

All correspondence regarding these applications should be sent to JOHN G. SMITH at:

Customer Number 55694
DRINKER BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, DC 20005

Respectfully submitted,

Date: December 9, 2005

Kenichiro Yasukawa

Kenichiro Yasukawa
General Manager
Intellectual Property Division
Patent Application Group
Research & Development Group
PIONEER CORPORATION
1-4-1 Meguro, Meguro-ku
Tokyo 153-8654, Japan